



Centers for Medical Countermeasures against Radiation (CMCR)

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CMCR

Primary Goal

Develop new medical products to

- protect against,
- mitigate the effects of, and/or
- treat the short- and long-term consequences of radiation exposure due to terrorist attack.

CMCR Objective

Establish a goal-oriented network of Centers to support

- basic research,
- translational/regulatory studies, and/or
- product development, and
- education,

to develop medical countermeasures against radiation.

CMCR Awards

- **\$5M annual total (direct + indirect) costs max [incorrect in RFA]**
 - ✓ Smaller budgets welcomed; be realistic
- 5 year max award
- 5 – 8 CMCR awards possible
- Awards based on scientific merit and programmatic needs

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Areas of Research/Development

- ❖ Medical products for post-exposure treatment
- ❖ Medical products for pre-exposure protection
- ❖ Biodosimetry methods
- ❖ Immune protection/restoration
- ❖ Mechanisms of injury and repair
- ❖ Low dose exposure/long term effects
- ❖ New assays/animal models
- ❖ GLP capacity for product evaluation

CMCR

Application Components

Multiproject application must include:

- Overview
 - Center Management and Operations
 - Administrative Core
- Research/Development Projects (3 minimum)
- Pilot Research Projects Core
- Scientific Core(s)
- Training & Education Program Core

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Application Components

Overview (20 pages max total):

Center Management and Operations

Administrative Core

- Organizational structure
- Participant roles
- Research theme/strategic plan
- Action plan
- Annual milestones of progress
- Product development plan
- Data sharing plan
- Statement of institutional commitment
- Any Alteration & Renovation request

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Application Components

Research/Development Projects (3 minimum)

Each project research plan = 25 pages max each

- Hypothesis-generating projects
- Hypothesis-driven projects
- Basic, translational, applied research
- Animal model/assay development
- Regulatory studies for FDA approvals
- Preclinical and/or Phase I clinical trials
- Preliminary data
- Goal-oriented projects

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Application Components

Scientific Core(s)

Each Core research plan = 10 pages max each

- Currently available resource
- Possible repository
- Each Core used by at least 2 Research/Development Projects of proposed Center
- Centralized research service facility proposed for Center network

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Application Components

Pilot Research Project Core

Research plan = 10 pages max

- Pilot research, new technologies, collaborations
- Within or outside of Center
- Plan for selection, evaluation, etc.
- Managed by Administrative Core
- \$500K max/yr total direct costs/Center
- \$100K, 2 yr max support per individual pilot project

****DO NOT INCLUDE DESCRIPTIONS OF PROJECTS****

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Application Components

Training and Education Program Core

Research plan = 10 pages max

- Laboratory training
- Principles of radiobiology etc.
- Seminar series, symposia
- Within or outside Center
- Managed by Administrative Core

NO FORMAL COURSES or DEGREE PROGRAMS

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Other Requirements

- PI must commit 10% effort for Administrative Core
- PI also manages the Pilot Research Project Program & the Training and Education Program Core
- Each applicant may submit only one application as a PI

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Other Requirements

- PI must participate in regular local meetings of his/her CMCR and attend annual meetings of the CMCR network
- PI must participate as voting member of the CMCR Steering Committee
- The CMCR Steering Committee will:
 - Promote synergistic interactions
 - Evaluate plans for project changes within the CMCR network
 - Evaluate Training & Education Programs within the CMCR network
 - Develop policies for data sharing/publication of collaborative results

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Funding Mechanism

- U19 Cooperative Agreement Grant
- Terms and Conditions of Award
- Substantial NIH programmatic involvement with the awardees in a partnership role – beyond normal grant stewardship role
- Dominant role and prime responsibility resides with awardees

CMCR Application

Things to do

- ❖ Follow all instructions; read entire RFA
- ❖ Follow instructions for application preparation
- ❖ Do not omit any component of the application (or it may be returned as unresponsive)
- ❖ Remain within the page limits
- ❖ Submit on time
 - Receipt date (Feb 22) means it must be at NIH (CSR and NCI review office) on or before that date
- ❖ Pay attention to the review criteria in the RFA
- ❖ Highlight synergistic interactions

CMCR Application DATES

- ❖ Letter of intent: Jan 24, 2005
- ❖ Application receipt: Feb 22, 2005
- ❖ Peer Review: June 2005
- ❖ Award: Sept 2005

**NOTE: No additional materials/data will
be accepted after Feb 22, 2005**